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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/763,393

DATE: 09/15/2004

TIME: 16:54:32

Input Set : A:\61541.ST25.txt

Output Set: N:\CRF4\09152004\I763393.raw

3 <110> APPLICANT: The Government of the United States of America as  
 4 represented by the Secretary of the Department of Health and  
 5 Human Services  
 6 Pastan, Ira  
 7 Brinkmann, Ulrich  
 8 Vasmatzis, George  
 9 Lee, Byungkook  
 11 <120> TITLE OF INVENTION: PAGE-4, an X-Linked GAGE-Like Gene Expressed in Normal and  
 12 Neoplastic Prostate, Testis and Uterus, and Uses Therefor  
 14 <130> FILE REFERENCE: 4239-61541-01  
 16 <140> CURRENT APPLICATION NUMBER: US 09/763,393  
 17 <141> CURRENT FILING DATE: 2001-07-30  
 19 <150> PRIOR APPLICATION NUMBER: PCT/US99/20046  
 20 <151> PRIOR FILING DATE: 1999-08-31  
 22 <150> PRIOR APPLICATION NUMBER: US 60/098,993  
 23 <151> PRIOR FILING DATE: 1998-09-01  
 25 <160> NUMBER OF SEQ ID NOS: 16  
 27 <170> SOFTWARE: PatentIn version 3.3  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 102  
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 40 Glu Ala Pro Asp Val Val Ala Phe Val Ala Pro Gly Glu Ser Gln Gln  
 41 20 25 30  
 44 Glu Glu Pro Pro Thr Asp Asn Gln Asp Ile Glu Pro Gly Gln Glu Arg  
 45 35 40 45  
 48 Glu Gly Thr Pro Pro Ile Glu Glu Arg Lys Val Glu Gly Asp Cys Gln  
 49 50 55 60  
 52 Glu Met Asp Leu Glu Lys Thr Arg Ser Glu Arg Gly Asp Gly Ser Asp  
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 57 85 90 95  
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 65 <211> LENGTH: 117  
 66 <212> TYPE: PRT  
 67 <213> ORGANISM: Homo sapiens  
 69 <400> SEQUENCE: 2  
 71 Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Tyr

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72 1      5      10      15
75 Val Glu Pro Pro Glu Met Ile Gly Pro Met Arg Pro Glu Gln Phe Ser
76          20      25      30
79 Asp Glu Val Glu Pro Ala Thr Pro Glu Glu Gly Glu Pro Ala Thr Gln
80          35      40      45
83 Arg Gln Asp Pro Ala Ala Ala Gln Glu Gly Glu Asp Glu Gly Ala Ser
84          50      55      60
87 Ala Gly Gln Gly Pro Lys Pro Glu Ala Asp Ser Gln Glu Gln Gly His
88 65          70      75      80
91 Pro Gln Thr Gly Cys Glu Asp Gly Pro Asp Gly Gln Glu Met
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95 Asp Pro Pro Asn Pro Glu Glu Val Lys Thr Pro Glu Glu Glu Met Arg
96          100     105     110
99 Ser His Tyr Val Ala
100          115
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115          20      25      30
118 Asp Glu Val Glu Pro Ala Thr Pro Glu Glu Gly Glu Pro Ala Thr Gln
119          35      40      45
122 Arg Gln Asp Pro Ala Ala Ala Gln Glu Gly Glu Asp Glu Gly Ala Ser
123          50      55      60
126 Ala Gly Gln Gly Pro Lys Pro Glu Ala His Ser Gln Glu Gln Gly His
127 65          70      75      80
130 Pro Gln Thr Gly Cys Glu Asp Gly Pro Asp Gly Gln Glu Met
131          85      90      95
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135          100     105     110
138 Gln Ser Gln Cys
139          115
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144 <212> TYPE: PRT
145 <213> ORGANISM: Homo sapiens
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154          20      25      30
157 Phe Ser Asp Glu Val Glu Pro Ala Thr Pro Glu Glu Gly Glu Pro Ala
158          35      40      45
161 Thr Gln Arg Gln Asp Pro Ala Ala Gln Glu Gly Glu Asp Glu Gly
162          50      55      60

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165 Ala Ser Ala Gly Gln Gly Pro Lys Pro Glu Ala Asp Ser Gln Glu Gln  
 166 65 70 75 80  
 169 Gly His Pro Gln Thr Gly Cys Glu Cys Asp Gly Pro Asp Gly Gln  
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 193 20 25 30  
 196 Ser Asp Glu Val Glu Pro Ala Thr Pro Glu Glu Gly Glu Pro Ala Thr  
 197 35 40 45  
 200 Gln Arg Gln Asp Pro Ala Ala Gln Glu Gly Glu Asp Glu Gly Ala  
 201 50 55 60  
 204 Ser Ala Gly Gln Gly Pro Lys Pro Glu Ala Asp Ser Gln Glu Gln Gly  
 205 65 70 75 80  
 208 His Pro Gln Thr Gly Cys Glu Cys Asp Gly Pro Asp Gly Gln Glu  
 209 85 90 95  
 212 Met Asp Pro Pro Asn Pro Glu Glu Val Lys Thr Pro Glu Glu Gly Glu  
 213 100 105 110  
 216 Lys Gln Ser Gln Cys  
 217 115  
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 228 1 5 10 15  
 231 Tyr Val Gln Pro Pro Glu Val Ile Gly Pro Met Arg Pro Glu Gln Phe  
 232 20 25 30  
 235 Ser Asp Glu Val Glu Pro Ala Thr Pro Glu Glu Gly Glu Pro Ala Thr  
 236 35 40 45  
 239 Gln Arg Gln Asp Pro Ala Ala Gln Glu Gly Glu Asp Glu Gly Ala  
 240 50 55 60  
 243 Ser Ala Gly Gln Gly Pro Lys Pro Glu Ala Asp Ser Gln Glu Gln Gly  
 244 65 70 75 80  
 247 His Pro Gln Thr Gly Cys Glu Cys Asp Gly Pro Asp Gly Gln Glu  
 248 85 90 95  
 251 Met Asp Pro Pro Asn Pro Glu Glu Val Lys Thr Pro Glu Glu Gly Glu  
 252 100 105 110  
 255 Lys Gln Ser Gln Cys

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 267 1           5           10           15  
 270 Tyr Val Gln Pro Pro Glu Val Ile Gly Pro Met Arg Pro Glu Gln Phe  
 271       20       25       30  
 274 Ser Asp Glu Val Glu Pro Ala Thr Pro Glu Glu Gly Glu Pro Ala Thr  
 275       35       40       45  
 278 Gln Arg Gln Asp Pro Ala Ala Gln Glu Gly Glu Asp Glu Gly Ala  
 279       50       55       60  
 282 Ser Ala Gly Gln Gly Pro Lys Pro Glu Ala Asp Ser Gln Glu Gln Gly  
 283 65       70       75       80  
 286 His Pro Gln Thr Gly Cys Glu Cys Glu Asp Gly Pro Asp Gly Gln Glu  
 287       85       90       95  
 290 Val Asp Pro Pro Asn Pro Glu Glu Val Lys Thr Pro Glu Glu Gly Glu  
 291       100      105      110  
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 310       20       25       30  
 313 Thr Glu Glu Gln Glu Ala Val Ser Ser Ser Ser Pro Leu Val Pro Gly  
 314       35       40       45  
 317 Thr Leu Gly Glu Val Pro Ala Ala Gly Ser Pro Gly Pro Leu Lys Ser  
 318       50       55       60  
 321 Pro Gln Gly Ala Ser Ala Ile Pro Thr Ala Ile Asp Phe Thr Leu Trp  
 322 65       70       75       80  
 325 Arg Gln Ser Ile Lys Gly Ser Ser Asn Gln Glu Glu Gly Pro Ser  
 326       85       90       95  
 329 Thr Ser Pro Asp Pro Glu Ser Val Phe Arg Ala Ala Leu Ser Lys Lys  
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345 1      5          10          15
348 Gln Ala Gln Gly Glu Ala Pro Gly Leu Met Asp Val Gln Ile Pro Thr
349           20         25          30
352 Ala Glu Glu Gln Lys Ala Ala Ser Ser Ser Ser Thr Leu Ile Met Gly
353           35         40          45
356 Thr Leu Glu Glu Val Thr Asp Ser Gly Ser Pro Ser Pro Pro Gln Ser
357           50         55          60
360 Pro Glu Gly Ala Ser Ser Leu Thr Val Thr Asp Ser Thr Leu Trp
361 65           70         75          80
364 Ser Gln Ser Asp Glu Gly Ser Ser Ser Asn Glu Glu Glu Gly Pro Ser
365           85         90          95
368 Thr Ser Pro Asp Pro Ala His Leu Glu Ser Leu Phe Arg Glu Ala Leu
369           100        105         110
372 Asp Glu Lys Val Ala Glu Leu Val Arg Phe Leu Leu Arg Lys Tyr
373           115        120         125
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394 Glu Glu Pro Pro Thr Asp Asn Gln Gly Pro Asp Met Glu Ala Phe Gln
395           35         40          45
398 Gln Glu Leu Asp Leu Glu Lys Thr Arg Ser Glu Arg Gly Asp Gly Ser
399           50         55          60
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428 Thr Glu Glu Lys Arg Gln Gln Glu Glu Pro Pro Thr Asp Asn Gln Asp
429           35         40          45
432 Ile Glu Pro Gly Gln Glu Arg Glu Gly Thr Pro Pro Ile Glu Glu Arg
433           50         55          60

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**VERIFICATION SUMMARY**

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